

<213> Pinus taeda

<400> 142

```
aggtgaccgt gatagacccc aagaaaaata gatccaaccc tcagagggac aaagacttat 60
aaagactaga agagtgaatc aacctattct atttagaata tatatttttg gggtgcttgc 120
ttatcgtttt gggggttaat gtatgtcgta ctacgggtctt atgccctaata ttgccattg 180
aaatcaacta aattgacagt aaccgactaa aagttgggtcc acactaagat atcgatgacc 240
aacgatcata aagggtgtcca tgatcctaata agtatatgtg tcaattaatg taactttggg 300
gctacaacat aaaaccattc gtgggggatcc tcctttttat gcgggtcacct 350
```

<210> 143

<211> 346

<212> DNA

<213> Pinus taeda

<400> 143

```
aggtgaccgt gggaccgacc ttgactacag gccaaaattt tgactgttga ccagcgttca 60
cttctgtatt tttggttggg atgagcaaca ttgacttgct ggaaattgac caggtttgac 120
tggtatttgg acttggattt tggcacagat ttctagacaa tttgtatttg taaaccttac 180
agaagaataa tttatcgaag aagaaaaatg ctagggttcc cctcaagttt gggtttccca 240
agggaaaaat tggtgtccca atggttgaat tttccaaagg tctcctaacc cgacaatacc 300
tcctaagaat tccttaattt aacctttctt gttttcacgg tcacct 346
```

<210> 144

<211> 335

<212> DNA

<213> Pinus taeda

<400> 144

```
aggtgaccgt gaaggagcag caacaatttg attttgtttg ggtagatcgg ggattttctc 60
gtggaacata cctgattgag tataaactaa gtcaaggtag tgtgcttgag aaattacttg 120
ctcctcagta actactctgg ccttagctac atcctcagtg atcttgggta gtaaagattt 180
tacaaacctc tcagctaaga tctgatccgg gatataaact ttcactaaac gtcgtcgacg 240
tctccattca tggatatgat ctgaaatgta agtggacggt gactgcttta acgaagttaa 300
taattctgtg ccattttcat atctgacggt cacct 335
```

<210> 145

<211> 344

<212> DNA

<213> Pinus taeda

<400> 145

```
aggtgaccgt acctaattggg aagacacttc aaggtaaaaa caaatcatga tagtcttaaa 60
taccttttag aacaaagatt atattcagaa caacttgctg gaagtgtacc aagtatgact 120
ggatttgaga cttagatctt cgcacagatt tcaagacaat ttgttggttg aagactcact 180
cacgaaaagt gatgtggata tgaagaactt ccctgtcgcc tcttgggttag gagtctccca 240
ctcataggaa ttgtgtaact tataacttgg tccactaaag aagttaggta cagtgtgttc 300
ctttaccagg ttccctgttg taacttacaa atctacggct acct 344
```

<210> 146

<211> 288

<212> DNA

<213> Pinus taeda

<400> 146
 aggtgaccgt cactggaggt ttgagatgct tgatcggtac tgaaatgaga catgatcaga 60
 ataggacctt gttgaggccg tgtctcacc cccatccaca atcttttgta attttgagtt 120
 tcgttttagaa catacttgta ggataaaact taccttactc atggatcatg gctgtatatg 180
 tttatcgacc agagacagat atgccgaatg aaagcgagtc tagtattcta atgcaatata 240
 ttggtagtat gggacatagt actgaacact tgtatagtac ggtcacct 288

<210> 147

<211> 288

<212> DNA

<213> Pinus taeda

<400> 147
 aggtgaccgt ggtctcagtt atgccatag tccgcccctc catatgatgc tccgcctcta 60
 tgggggtctt tgcgatgttg atatctagta gtacttcttg tctattgca gcaacctgta 120
 ctggtggttg tgttggttat gggctcctta cgcgatggag atatgagaca cccataggtc 180
 gaacaggtct aatatctgga atccaacgct atttgttgta gaagaaacgt tgctcccgtc 240
 ctttagcttt ggctggtcac tatccttacg ctccacgtac ggtcacct 288

<210> 148

<211> 208

<212> DNA

<213> Pinus taeda

<400> 148
 aggtgaccgt tgggaaatgc aatacctctc gtccaggtat attcaacttg agggacagag 60
 ccaagtggga tgcattggaat tcaacttaaag ataaaacccc cgagtctgcc atggaagatt 120
 acatcactaa ggttaaacag ctacaagaag tagcatgatg ccattgatct ccccttcctc 180
 gcctcttcta ttatcagtag ggtcacct 208

<210> 149

<211> 197

<212> DNA

<213> Pinus taeda

<400> 149
 aggtgaccgt caaggcaaag tgtcatgcc ctcattggaa ttagttaata tagctaattt 60
 gagatattac agtcaactgt gggatatatg atgtgagatc aaggtgcagt ttagatatta 120
 tcagtggtag agtttagata ttatcagtag ttgtgaatct gcatactgct tttggttggt 180
 tctaactacg gtcacct 197

<210> 150

<211> 527

<212> DNA

<213> Pinus taeda

<400> 150
 aggtgaccgt agacatatat catggaaaac ccaagtaaca taaaaacaca aaacacatgg 60
 aaacttcata aaacctccac tcgtcataag ctttattgct atgttattgt ggtgttgcat 120
 cgtacttagt ggaggttatt gttatgttat gtgttctatt ttctcccga acgcccttcg 180
 gaattgagct aaccgtgggt aacaacatgt gggctttttt tctcgacagt atatatataa 240
 taaatcttta ttttttttaa aactaatgct attgcattta tatactggaa aaaatgattt 300
 ttcttgatatt atcgaaaata ataatttagt ttcttgataa tcaactggaa ttaagaaatt 360
 acaaacctta acaacatcaa gaaattttta aacacataag ctagaaattt taaaacacat 420

```
aagcgtgaca acaagaagat caaatctaata acttgcttgg gccggagatt atggattcat 480
gaagcgattt gacagcgccc attgatcttc ctctcccacg gtcacct 527
```

```
<210> 151
<211> 171
<212> DNA
<213> Pinus taeda
```

```
<400> 151
gggggtaggg gtgtttatac tgagcatact tcgaaagtgg ttcaccacca ccatgatgac 60
taattgttcc tgacttttgg agacctataa taaattccat agaaacctcc gtccatattg 120
atgccggaat gggcaacggt tgtaatgtgc ctgggtacttt gacggtcacc t 171
```

```
<210> 152
<211> 412
<212> DNA
<213> Pinus taeda
```

```
<400> 152
aggtgaccgt tgggaaatgc aatacctctc gtccaggtat attcaacttg agggacagag 60
ccaagtggga tgcattgaat tcacttaaag ataaaacccc cgagtctgcc atggaagatt 120
acatcactaa ggttaaacag ctacaagaag tagcatgatg cctagacaaa tagctttgct 180
caacacatcc tgatagtgtg cactaaatcg cacaacttta ctactacaaa gaaagatcgt 240
tgacaccttg acaaatagct ttgctcaaca catcccaaca atttggattg cgaataccga 300
ctccaatttg tacttgatcc atatgtcggt gcgatgtact agttcctcta tacatatggt 360
tctgcaagaa tcggagttgg acctcttctt ccctgttatc agcacgggtc ct 412
```

```
<210> 153
<211> 409
<212> DNA
<213> Pinus taeda
```

```
<220>
<221> modified_base
<222> (307)
<223> a, t, c, g, other or unknown
```

```
<400> 153
aggtgaccgt ggataagaga acgctttgcc gactctctgg gatgcccttc cctccatagc 60
cgtcgtggga ggacagagct ccgggaaatc ctctgtgctg gagagcatcg ttggaaggga 120
ttttttaccg cgtggatcag gtattgttac tagacggccg cttgtccttc aacttcacaa 180
gactgatgaa ggcagcaggg attacgccga attccttcac caaccacaga agacatacac 240
cgactttgca ctggtaagga acgaaattgc ggatgagact gatcgaatta catggcgtgc 300
caagcanagt ctcaagtgtc ccaattcacc ttaatatatta ttcacccaat gttgttaatt 360
tgactctaata tgatctcctg ggttgacaaa attgctattg acggtcact 409
```

```
<210> 154
<211> 241
<212> DNA
<213> Pinus taeda
```

```
<400> 154
aggtgaccgt tgggaaatgc aatacctctc gtccaggtat attcaacttg agggacagag 60
ccaagtggga tgcattgaat tcacttaaag ataaaacccc cgagtctgcc atggaagatt 120
```